

Pesticide Sample Data Summary Package Cover Sheet

Client: FOSTER WHEELER
Project: ROXANNA MARSH
SDG: 920866A

Case Narrative

Client FOSTER WHEELER
Project Name ROXANNA MARSH
Project Number 1980.0208.0100
SDG 920866A
Fraction PEST/PCB

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-024	FW-RM-01-CS-1-2	3/19/2002	3/21/2002	SOIL
920839-025	FW-RM-01-CS-2-3.9	3/19/2002	3/21/2002	SOIL
920866-001	FW-RM-11-SS	3/20/2002	3/22/2002	SOIL
920866-002	FW-RM-03-CS-2.3-4.8	3/19/2002	3/22/2002	SOIL
920866-003	FW-RM-03-CS-2.3-4.8MS	3/19/2002	3/22/2002	SOIL
920866-004	FW-RM-03-CS-2.3-4.8MSD	3/20/2002	3/22/2002	SOIL
920866-005	FW-RM-03-CS-0.8-2.3	3/20/2002	3/22/2002	SOIL
920866-006	FW-RM-20-SS	3/20/2002	3/22/2002	SOIL
920866-007	FW-RM-14-SS	3/20/2002	3/22/2002	SOIL
920866-008	FW-RM-21-SS	3/20/2002	3/22/2002	SOIL
920866-009	FW-RM-19-SS	3/20/2002	3/22/2002	SOIL
920866-010	FW-RM-18-SS	3/20/2002	3/22/2002	SOIL
920866-011	FW-RM-13-SS	3/20/2002	3/22/2002	SOIL
920866-012	FW-RM-RB-02	3/20/2002	3/22/2002	WATER
920866-015	FW-RM-07-CS-2.6-5.4	3/19/2002	3/22/2002	SOIL
920866-016	FW-RM-07-CS-0.5-2.6	3/19/2002	3/22/2002	SOIL
920866-017	FW-RM-20-CS-0.8-2.4	3/20/2002	3/22/2002	SOIL
920866-019	FW-RM-21-CS-3.6-5.6	3/21/2002	3/22/2002	SOIL
920866-020	FW-RM-01-CS-3.6-5.6	3/21/2002	3/22/2002	SOIL
920866-021	FW-RM-21-CS-7.0-9.0	3/21/2002	3/22/2002	SOIL
920866-022	FW-RM-01-CS-7.0-9.0	3/21/2002	3/22/2002	SOIL
920866-064	MB1920866			SOIL
920866-065	MB1920866LCS			SOIL
920866-067	MB2920866			WATER
920866-068	MB2920866LCS			WATER
920866-069	MB2920866LCSD			WATER

EN CHEM, INC.
CASE NARRATIVE - PESTICIDE ANALYSIS

Lab Report Number (SDG): 920866A

Client: Foster Wheeler

Project Name: Roxanna Marsh

Project Number: 1980.0208.0100

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

- A. Sample Preparation:** All method holding times were met.
- B. Sample Analysis:** All method holding times were met.

3. METHOD

Preparation: SW-846 3510C, SW-846 3550B

Analysis: SW-846 8081A

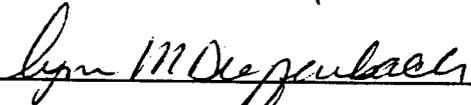
4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. Calibration:**
 - 1. Initial verification:** All method acceptance criteria were met.
 - 2. Continuing verification:** All method acceptance criteria were met.
- B. Blanks:**
 - 1. Method:** All in-house acceptance criteria were met.
- C. Surrogates:** All in-house acceptance criteria were met. The laboratory Standard Operating Procedure (SOP) allows for one surrogate to fall outside the acceptance criteria. The recoveries of DCB which fall outside of the control criteria are believed to be related to matrix interferences.
- D. Spikes:**
 - 1. Lab Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD):** The laboratory control spike (MB1920866LCS) associated to the soil samples met all in-house accuracy criteria. The laboratory control spike/laboratory control spike duplicate associated to the water sample (MB2920866LCS/MB2920866LCSD) met all in-house accuracy and precision criteria.
 - 2. Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample FW-RM-03-CS-2.3-4.8 was designated as the matrix spike sample for this SDG. All in-house accuracy and precision criteria were met.
- E. Samples:** Sample analyses proceeded normally.
- F. Dilutions:** None required for this SDG.
- G. Reanalysis:** None required for this SDG.
- H. Comments:** The "X" data qualifier was used to indicate that an analyte was detected at a level between the laboratory method detection limit (MDL) and the project specific reporting limit, but the relative percent difference (RPD) between the columns was greater than 100. In these cases the analyte was reported as not detected.

I certify that this data package is in compliance with the terms and conditions agreed to by **En Chem, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: 

Date: 4-25-02

Name: Lynn M Dieffenbach

Position: Project Manager

Organic Data Qualifiers

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit (see Sample Narrative).
- D Analyte value from diluted analysis.
- E Analyte concentration exceeds calibration range (see Sample Narrative).
- F Surrogate results outside control criteria or not available due to sample dilution.
- H(n) Extraction or analysis performed "n" days past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte (see Sample Narrative).
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- * Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

Batch No. 920839

En Chem, Inc. Cooler Receipt Log

Project Name or ID Roxanna Marsh

No. of Coolers: 3

Temps: 3, 2, 3.0 C

A. Receipt Phase: Date cooler was opened: 3/2/02 By: RJC

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO²
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO

Contacted by/Who _____
Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 3/2/02 By: RJC

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Check sample pH of preserved samples. (Not VOCs) Completed..... YES NO NA
- 5: Do samples have correct chemical preservation?..... YES NO² NA
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
Coliform (6 hrs)	Flashpoint	
Hexavalent Chromium (24 Hrs)	TSS	
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	<u>Aqueous Extractable Organics- ALL</u>	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

Reviewed by/date DA 3/25

(Please Print Legibly)
 Company Name: Foster & Lebeck
 Branch or Location: Denver
 Project Contact: 988 Puy Mess
 Telephone: 303-980-3579
 Project Number: 1980-2203-0100
 Project Name: Lexiana Marsh
 Project State: Indiana
 Sampled By (Print): Bob Feldpassch

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
12086-001	FW-EM-11-SS	3-20-02	09:17	S
002	FW-EM-14-SS-23-48	3-19	15:20	
005	FW-EM-05-SS-0.8-2.3	3-19	15:20	
006	FW-EM-20-SS	3-20	11:03	
007	FW-EM-14-SS	3-20	08:53	
008	FW-EM-21-SS	3-20	11:30	
009	FW-EM-19-SS	3-20	10:58	
010	FW-EM-18-SS	3-20	10:15	
011	FW-EM-13-SS	3-20	11:30	
012				
014				

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: 303-980-3579
 Fax #: 303-980-3579
 E-Mail Address:
 Samples on HOLD are subject to special pricing and release of liability

EN CHEM INC.
 1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 FAX 920-469-8827

CHAIN OF CUSTODY 78316
 A=None B-HCL C-H2SO4 D-HNO3 E-Encore
 H= Sodium Bisulfate Solution L=Other
 FILTERED? (YES/NO)
 PRESERVATION (CODE)
 H 4 A

Page 1 of 1
 P.O. #
 Quote #
 Mail Report To: Fam Mess
 Company: FuEAC
 Address: 1473 Galen Blvd
Suite 1000 Lakewood, CO 80226
 Invoice To: Gay Brown
 Company: FuEAC
 Address: 1200 NE 195th St
Bedford, WA 98011

LABORATORY ID	FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
12086-001	FW-EM-11-SS	3-20-02	09:17	S	PC/MS-SCM		
002	FW-EM-14-SS-23-48	3-19	15:20		PC/MS-SCM		
005	FW-EM-05-SS-0.8-2.3	3-19	15:20		PC/MS-SCM		
006	FW-EM-20-SS	3-20	11:03		PC/MS-SCM		
007	FW-EM-14-SS	3-20	08:53		PC/MS-SCM		
008	FW-EM-21-SS	3-20	11:30		PC/MS-SCM		
009	FW-EM-19-SS	3-20	10:58		PC/MS-SCM		
010	FW-EM-18-SS	3-20	10:15		PC/MS-SCM		
011	FW-EM-13-SS	3-20	11:30		PC/MS-SCM		
012							
014							

Received By: Fred Ex Date/Time: 3/20/02 12:05
 Received By: Steve Chouen Date/Time: 3/22/02 10:30
 Received By: OK Date/Time: 3/22/02 10:30
 En Chem Project No. 920866
 Sample Receipt Temp. 312-33143 R01
 Sample Receipt #
 (Mech/Menu)
 Cooler Custody Seal
 Present/Not Present
 Intact/Not Intact

(Please Print Legibly)

Company Name: Foster Wheeler
 Branch or Location: Durham
 Project Contact: Fam Mess
 Telephone: 303-980-3519
 Project Number: 1980.0208.0100
 Project Name: Roxana Marsh
 Project State: Indiana
 Sampled By (Print): Bobo Feldpuesch

Data Package Options
 (please circle if requested)
 Results Only
 EnChem Level III (Subject to Surcharge)
 EnChem Level IV (Subject to Surcharge)

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
92086-019	FW-011-31-CS-3.6-5.6	3-21	1402	S
020	FW-011-01-CS-3.6-5.6	3-21	1402	S
021	FW-011-24-CS-7.0-9.0	3-21	1402	S
022	FW-011-01-CS-7.0-9.0	3-21	1402	S

Regulatory Program
 UST
 RCRA
 SDWA
 NPDES
 CERCLA

Matrix Codes
 W-Water
 S-Soil
 A-Air
 C-Charcoal
 B-Biots
 S-Sludge

CHAIN OF CUSTODY

78325

Page 1 of 1

*Preservation Codes
 D-HNO3 E-EnCore
 F-Methanol G-MeOH
 H=None B-HCl C-H2SO4
 I=Other J=Sodium Bisulfate Solution
 FILTERED? (YES/NO)
 PRESERVATION (CODE)

P.O. # Quote #
 Mail Report To: Fam Mess
 Company: EWENC
 Address: Lakeview, CO
 Invoice To: Gary Brown
 Company: EWENC
 Address: Bozell, WI

ANALYSES REQUESTED
 (Cadmium, Lead, Nickel, Tin, Vanadium, Zinc, Manganese, Selenium, Chromium, Cobalt, Molybdenum, Barium, Strontium, Boron, Silicon, Magnesium, Calcium, Sodium, Potassium, Chloride, Sulfate, Nitrate, Phosphate, Fluoride, Nitrite, Nitrogen, Ammonia, Hydrogen Sulfide, Cyanide, Thiocyanate, Chloride, Sulfate, Nitrate, Phosphate, Fluoride, Nitrite, Nitrogen, Ammonia, Hydrogen Sulfide, Cyanide, Thiocyanate)

Mail Invoice To:

CLIENT COMMENTS

LAB COMMENTS
(Lab Use Only)

LABORATORY ID	FIELD ID	DATE	TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS
92086-019	FW-011-31-CS-3.6-5.6	3-21	1402	S	4	
020	FW-011-01-CS-3.6-5.6	3-21	1402	S	4	
021	FW-011-24-CS-7.0-9.0	3-21	1402	S	4	
022	FW-011-01-CS-7.0-9.0	3-21	1402	S	4	

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #:
 Fax #:
 E-Mail Address:

Relinquished By: [Signature] Date/Time: 3-21-02 16:55
 Relinquished By: Fed Ex Date/Time: 3/22/02 10:30
 Relinquished By: Fed Ex Date/Time: 3/22/02 10:30
 Relinquished By: [Signature] Date/Time:
 Relinquished By: [Signature] Date/Time:

Received By: Fed Ex Date/Time:
 Received By: Ryan Chouin Date/Time: 3/22/02 10:30
 Received By: [Signature] Date/Time:
 Received By: [Signature] Date/Time:
 Received By: [Signature] Date/Time:

En Chem Project No. 92086
 Sample Receipt Temp. 32.32, 14.3 RUJ
 Shipping Receipt pH (Neut/Alk) OK
 Cooler Custody Sent
 Present / Not Present
 Intact / Not Intact

1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 FAX 920-469-9827

EN CHEM
 INC.

626 Science Drive
 Madison, WI 53711
 608-232-3500
 FAX: 608-233-0802

(Please Print Legibly)
 Company Name: Foster Wheeler
 Branch or Location: Duvern
 Project Contact: Sam Moss
 Telephone: 303-480-3579
 Project Number: 1230-008-0100
 Project Name: Luxemburg Marsh
 Project State: Indiana
 Sampled By (Print): Bob Feldpausch

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		Regulatory Program	Matrix Codes
		DATE	TIME		
920866-033	FW-RM-15-05-46-7.0	3-20	08:30	UST	S
034	FW-RM-15-05-30-4.6	3-20	08:30	RCRA	S
035	FW-RM-15-05-13-3.4	3-20	08:30	SDWA	S
036	FW-RM-12-05-53-8.15	3-20	08:10	NPDES	S
037	FW-RM-12-05-23-5.3	3-20	08:10	CERCLA	S
038	FW-RM-12-05-11-1.9	3-20	08:10		S
039	FW-RM-04-05-48-6.4	3-15	13:10		S
040	FW-RM-04-05-17-4.8	3-15	13:10		S
041	FW-RM-04-05-05-2.7	3-15	13:10		S
042	FW-RM-05-05-33-5.7	3-20	13:10		S
043	FW-RM-05-05-07-3.3	3-20	13:10		S
044	FW-RM-05-05-59-8.4	3-20	13:10		S

Relinquished By: [Signature] Date/Time: 3-17-01 12:36
 Relinquished By: Feld Ex Date/Time: 3/22/02 10:30
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

EN CHEM INC.
 1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-468-2436
 FAX: 920-468-8927

CHAIN OF CUSTODY
 78314

Page 1 of 2
 R.O. # _____ Quote # _____
 Mail Report To: Paul Moss
 Company: FWEN
 Address: Lakeview, CO
 Invoice To: Greg Brown
 Company: FWEN
 Address: Bartell, WA

ANALYSES REQUESTED: As follows / pH / TOC / DOC / TSS / SPM
 FILTERED? (YES/NO) _____
 PRESERVATION (CODE): _____
 F-Methanol G-NaOH
 *Preservation Codes: D-HH03 E-Encore I=Other
 A=None B-HCl C-H2SO4
 H=Sodium Bisulfate Solution
 TOTAL # OF BOTTLES SENT: _____

LABORATORY ID	FIELD ID	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
920866-033	FW-RM-15-05-46-7.0	4 Archive	
034	FW-RM-15-05-30-4.6	4	
035	FW-RM-15-05-13-3.4	4	
036	FW-RM-12-05-53-8.15	4 Archive	
037	FW-RM-12-05-23-5.3	4	
038	FW-RM-12-05-11-1.9	4	
039	FW-RM-04-05-48-6.4	4	
040	FW-RM-04-05-17-4.8	4 Archive	
041	FW-RM-04-05-05-2.7	4	
042	FW-RM-05-05-33-5.7	4	
043	FW-RM-05-05-07-3.3	4	
044	FW-RM-05-05-59-8.4	4 Archive	

En Chem Project No: 920866
 Sample Receipt Temp: 3333143 ROI
 Sample Receipt pH: OK
 Cooler Custody Sent: Present
 Intact / Not Intact: Intact

Date Needed: _____
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: _____
 Fax #: _____
 E-Mail Address: _____
 Samples on HOLD are subject to special pricing and release of liability

(Please Print Legibly)

Company Name: Ester Wheeler
 Branch or Location: Deer
 Project Contact: Fam Moss
 Telephone: 303-980-3519
 Project Number: 1980.0005.0100
 Project Name: Reagan Marsh
 Project State: Indiana
 Sampled By (Print): Bob Feldpausch

Data Package Options
 (please circle if requested)
 Results Only
 EnChem Level III (Subject to Surcharge)
 EnChem Level IV (Subject to Surcharge)

LABORATORY ID (Lab Use Only)	FIELD ID	REGULATORY PROGRAM		COLLECTION		MATRIX
		UST	RCRA	DATE	TIME	
920866-045	FW-01-02-05-01-5-2			3-20	12:20	S
046	FW-01-02-05-01-8-27			3-20	12:20	S

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #:
 Fax #:
 E-Mail Address:

EN CHEM INC.

1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 FAX: 920-469-8827

525 Science Drive
 Madison, WI 53711
 608-232-3300
 FAX: 608-233-0602

CHAIN OF CUSTODY

78317

Page 2 of 2

A=None B=HCL C=H2SO4
 H=Sodium Bisulfate Solution D=HNO3
 E=EnCore F=Methanol G=NaOH
 L=Other
 FILTERED? (YES/NO)
 PRESERVATION (CODE)

P.O. # _____ Quote # _____
 Mail Report To: Fam Moss
 Company: FWENC
 Address: Lebanon, CO
 Invoice To: Gary Bruhn
 Company: FWENC
 Address: Bo Thell, WI

ANALYSES REQUESTED
 RCH / GC w/ TPC / MS-RES
 RCH w/ GC w/ TPC / MS-RES

LABORATORY ID	FIELD ID	DATE	TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
920866-045	FW-01-02-05-01-5-2	3-20	12:20	S	4	
046	FW-01-02-05-01-8-27	3-20	12:20	S	4	

LABORATORY ID	FIELD ID	DATE	TIME	MATRIX	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	En Chem Project No.	Sample Receipt Temp.	Salmon Receipt pH (Wet/Neutral)	Cooler Custody Seal	Presep / Not Present	Intact / Not Intact
920866-045	FW-01-02-05-01-5-2	3/20/02	12:36	S	4		920866		32.33/43	OK		
046	FW-01-02-05-01-8-27	3/22/02	1030	S								

Relinquished By: [Signature] Date/Time: 3/21/02 17:36
 Received By: Fed Ex
 Relinquished By: Fed Ex Date/Time: 3/22/02 1030
 Received By: Ryan Chaves Date/Time: 3/22/02 10:30
 Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

(Please Print Legibly)

Company Name: Foster Wheeler
 Branch or Location: Denver
 Project Contact: Pam Moss
 Telephone: 303-980-3579
 Project Number: 980.0208.0100
 Project Name: Koanua Marsh
 Project State: Indiana
 Sampled By (Print): Bob Feldpausch

Data Package Options
 (please circle if requested)
 Results Only
 EnChem Level III (Subject to Surcharge)
 EnChem Level IV (Subject to Surcharge)

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
920866-056	FW-RM-26-C5-07-2.1	3-21	12:20	S
057	FW-RM-06-C5-28-4.7	3-21	12:20	S
058	FW-RM-11-C5-07-2.4	3-21	10:15	S
059	FW-RM-11-C5-28-4.2	3-21	10:15	S
060	FW-RM-11-C5-4.2-6.7	3-21	10:15	S
061	FW-RM-14-C5-07-2.0	3-21	09:55	S
062	FW-RM-14-C5-20-3.8	3-21	09:55	S
063	FW-RM-14-C5-3.8-5.6	3-21	09:55	S

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: _____
 Fax #: _____
 E-Mail Address: _____



CHAIN OF CUSTODY

78319

ANALYSES REQUESTED
 PRESERVATION (CODE):
 A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Other
 *Preservation Codes

REG. NO. 1941106
 ANALYSES REQUESTED
 PRESERVATION (CODE):
 A=None B=HCL C=H2SO4 D=HNO3 E=Encore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Other
 *Preservation Codes

1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2496
 FAX 920-469-8827

Page 1 of 1
 P.O. # _____ Quote # _____
 Mail Report To: Foster Wheeler
 Company: FWENC
 Address: Lakeview CO
 Invoice To: GARY BRUN
 Company: FWENC
 Address: Boothell, WI

CLIENT COMMENTS
 Mail Invoice To:
 LAB COMMENTS
 (Lab Use Only)

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
4	
4	
4	
4	
4	Archive
4	
4	Archive
4	

Received By: FedEx Date/Time: 3-21-02 17:00
 Received By: FedEx Date/Time: 3/22/02 10:30
 Received By: Chrom Date/Time: 3/22/02 10:30
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

En Chem Project No: 920866
 Sample Receipt Temp: 333343
 Sample Receipt pH: RO1
 Cooler Custody Seal: OK
 Sample Not Present: Intact / Not Intact

Samples on HOLD are subject to special pricing and release of liability

En Chem, Inc. Cooler Receipt Log

Batch No. 920866

Project Name or ID Roxanna Marsh

No. of Coolers: 7 Temps: 3, 2, 3, 3, 1, 4, 3 °C

A. Receipt Phase: Date cooler was opened: 3/22/02 By: RJC

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO²
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who _____
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 3/22/02 By: RJC

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² *broken lids - see NC RJC*
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Check sample pH of preserved samples. (Not VOCs) Completed..... YES NO NA
- 5: Do samples have correct chemical preservation?..... YES NO² NA
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. YES NO NA

Short Hold-time tests:

48 Hours or less Coliform (6 hrs) Hexavalent Chromium (24 Hrs) BOD Nitrite or Nitrate Low Level Mercury Ortho Phosphorus Turbidity Surfactants Sulfite En Core Preservation Color	7 days Flashpoint TSS Total Solids TDS Sulfide Free Liquids Total Volatile Solids <u>Aqueous Extractable Organics- ALL</u> Unpreserved VOC's Ash	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
--	--	--

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-1-2
Lab Sample Number : 920839-024
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	31	74	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	< 74	74	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	33	74	ug/kg	J	4/11/02	SW846 8081A
Aldrin	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	25	370	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 74	74	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 37	37	ug/kg	X	4/11/02	SW846 8081A
Endosulfan II	< 74	74	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	27	74	ug/kg	JP	4/11/02	SW846 8081A
Endrin	18	74	ug/kg	JP	4/11/02	SW846 8081A
Endrin ketone	< 74	74	ug/kg	X	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 37	37	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	14	370	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 37	37	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	28	37	ug/kg	JP	4/11/02	SW846 8081A
Methoxychlor	52	370	ug/kg	J	4/11/02	SW846 8081A
Toxaphene	< 740	740	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/26/02

Field ID : FW-RM-01-CS-2-3.9

Collection Date : 3/19/02

Lab Sample Number : 920839-025

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 67	67	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 67	67	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 67	67	ug/kg		4/11/02	SW846 8081A
Aldrin	< 33	33	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 33	33	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 330	330	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 33	33	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 33	33	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 67	67	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 33	33	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 67	67	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 67	67	ug/kg		4/11/02	SW846 8081A
Endrin	< 67	67	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 67	67	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 33	33	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 330	330	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 33	33	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 33	33	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 330	330	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 670	670	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/26/02

Field ID : FW-RM-11-SS

Collection Date : 3/20/02

Lab Sample Number : 920866-001

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	10	74	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	11	74	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	< 74	74	ug/kg		4/11/02	SW846 8081A
Aldrin	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 370	370	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 74	74	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 37	37	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 74	74	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	5.0	74	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 74	74	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 74	74	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 37	37	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 370	370	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 37	37	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 37	37	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 370	370	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 740	740	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/26/02

Field ID : FW-RM-03-CS-2.3-4.8

Collection Date : 3/19/02

Lab Sample Number : 920866-002

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 21	21	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 21	21	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 21	21	ug/kg		4/11/02	SW846 8081A
Aldrin	< 10	10	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 10	10	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 100	100	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 10	10	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 10	10	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 21	21	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 10	10	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 21	21	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 21	21	ug/kg		4/11/02	SW846 8081A
Endrin	< 21	21	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 21	21	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 10	10	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 100	100	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 10	10	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 10	10	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 100	100	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 210	210	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-03-CS-0.8-2.3
Lab Sample Number : 920866-005
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 25	25	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 25	25	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 25	25	ug/kg		4/11/02	SW846 8081A
Aldrin	< 12	12	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 12	12	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 120	120	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 12	12	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 12	12	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 25	25	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 12	12	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 25	25	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 25	25	ug/kg		4/11/02	SW846 8081A
Endrin	< 25	25	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 25	25	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 12	12	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 120	120	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 12	12	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 12	12	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 120	120	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 250	250	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-20-SS
Lab Sample Number : 920866-006
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	14	44	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	< 44	44	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	35	44	ug/kg	J	4/11/02	SW846 8081A
Aldrin	< 22	22	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 22	22	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	5.3	220	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	< 22	22	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 22	22	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 44	44	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 22	22	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 44	44	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 44	44	ug/kg		4/11/02	SW846 8081A
Endrin	< 44	44	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 44	44	ug/kg	X	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 22	22	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 220	220	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 22	22	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	6.7	22	ug/kg	J	4/11/02	SW846 8081A
Methoxychlor	< 220	220	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 440	440	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Project Number : 1980.0208.0100

Field ID : FW-RM-14-SS

Lab Sample Number : 920866-007

Lab Project Number : 920866

Submitter : FOSTER WHEELER

Report Date : 4/26/02

Collection Date : 3/20/02

Matrix Type : SOIL

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	27	65	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	< 65	65	ug/kg	X	4/11/02	SW846 8081A
4,4'-DDT	< 65	65	ug/kg		4/11/02	SW846 8081A
Aldrin	< 33	33	ug/kg	X	4/11/02	SW846 8081A
alpha-BHC	< 33	33	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 330	330	ug/kg		4/11/02	SW846 8081A
beta-BHC	6.1	33	ug/kg	JP	4/11/02	SW846 8081A
delta-BHC	< 33	33	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 65	65	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 33	33	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 65	65	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	16	65	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 65	65	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 65	65	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 33	33	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 330	330	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 33	33	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 33	33	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 330	330	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 650	650	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-SS
Lab Sample Number : 920866-008
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	15	54	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	10	54	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	< 54	54	ug/kg		4/11/02	SW846 8081A
Aldrin	< 27	27	ug/kg	X	4/11/02	SW846 8081A
alpha-BHC	< 27	27	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 270	270	ug/kg	X	4/11/02	SW846 8081A
beta-BHC	5.5	27	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 27	27	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 54	54	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 27	27	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 54	54	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	5.7	54	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 54	54	ug/kg		4/11/02	SW846 8081A
Endrin ketone	6.8	54	ug/kg	JP	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 27	27	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 270	270	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 27	27	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 27	27	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 270	270	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 540	540	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-19-SS
Lab Sample Number : 920866-009
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 52	52	ug/kg	X	4/11/02	SW846 8081A
4,4'-DDE	< 52	52	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	30	52	ug/kg	J	4/11/02	SW846 8081A
Aldrin	17	26	ug/kg	JP	4/11/02	SW846 8081A
alpha-BHC	< 26	26	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	67	260	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	< 26	26	ug/kg		4/11/02	SW846 8081A
delta-BHC	23	26	ug/kg	J	4/11/02	SW846 8081A
Dieldrin	< 52	52	ug/kg		4/11/02	SW846 8081A
Endosulfan I	32	26	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan II	< 52	52	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 52	52	ug/kg		4/11/02	SW846 8081A
Endrin	92	52	ug/kg		4/11/02	SW846 8081A
Endrin ketone	49	52	ug/kg	J	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 26	26	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 260	260	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 26	26	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	15	26	ug/kg	JP	4/11/02	SW846 8081A
Methoxychlor	< 260	260	ug/kg	X	4/11/02	SW846 8081A
Toxaphene	< 520	520	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Project Number : 1980.0208.0100

Field ID : FW-RM-18-SS

Lab Sample Number : 920866-010

Lab Project Number : 920866

Submitter : FOSTER WHEELER

Report Date : 4/26/02

Collection Date : 3/20/02

Matrix Type : SOIL

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	150	65	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 65	65	ug/kg	X	4/11/02	SW846 8081A
4,4'-DDT	< 65	65	ug/kg	X	4/11/02	SW846 8081A
Aldrin	< 32	32	ug/kg	X	4/11/02	SW846 8081A
alpha-BHC	< 32	32	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	69	320	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	< 32	32	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 32	32	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 65	65	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 32	32	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 65	65	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	41	65	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 65	65	ug/kg		4/11/02	SW846 8081A
Endrin ketone	14	65	ug/kg	JP	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 32	32	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 320	320	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 32	32	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 32	32	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 320	320	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 650	650	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-13-SS
Lab Sample Number : 920866-011
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	17	56	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	< 56	56	ug/kg	X	4/11/02	SW846 8081A
4,4'-DDT	< 56	56	ug/kg		4/11/02	SW846 8081A
Aldrin	< 28	28	ug/kg	X	4/11/02	SW846 8081A
alpha-BHC	< 28	28	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 280	280	ug/kg		4/11/02	SW846 8081A
beta-BHC	7.4	28	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 28	28	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 56	56	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 28	28	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 56	56	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	8.4	56	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 56	56	ug/kg		4/11/02	SW846 8081A
Endrin ketone	6.9	56	ug/kg	J	4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 28	28	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 280	280	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 28	28	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 28	28	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 280	280	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 560	560	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/26/02

Field ID : FW-RM-RB-02

Collection Date : 3/20/02

Lab Sample Number : 920866-012

Matrix Type : WATER

Lab Project Number : 920866

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3510

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
4,4'-DDE	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
4,4'-DDT	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
Aldrin	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
alpha-BHC	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
alpha-Chlordane	< 1.5	1.5	ug/L		4/11/02	SW846 8081A
beta-BHC	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
delta-BHC	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
Dieldrin	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
Endosulfan I	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
Endosulfan II	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
Endosulfan sulfate	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
Endrin	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
Endrin ketone	< 0.30	0.30	ug/L		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
gamma-Chlordane	< 1.5	1.5	ug/L		4/11/02	SW846 8081A
Heptachlor	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
Heptachlor epoxide	< 0.15	0.15	ug/L		4/11/02	SW846 8081A
Methoxychlor	< 1.5	1.5	ug/L		4/11/02	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-07-CS-2.6-5.4
Lab Sample Number : 920866-015
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 23	23	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 23	23	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 23	23	ug/kg		4/11/02	SW846 8081A
Aldrin	< 11	11	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 11	11	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 110	110	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 11	11	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 11	11	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 23	23	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 11	11	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 23	23	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 23	23	ug/kg		4/11/02	SW846 8081A
Endrin	< 23	23	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 23	23	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 11	11	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 110	110	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 11	11	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 11	11	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 110	110	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 230	230	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-07-CS-0.5-2.6
Lab Sample Number : 920866-016
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 34	34	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 34	34	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 34	34	ug/kg		4/11/02	SW846 8081A
Aldrin	< 17	17	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 17	17	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 170	170	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 17	17	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 17	17	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 34	34	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 17	17	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 34	34	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 34	34	ug/kg		4/11/02	SW846 8081A
Endrin	< 34	34	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 34	34	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 17	17	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 170	170	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 17	17	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 17	17	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 170	170	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 340	340	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-20-CS-0.8-2.4
Lab Sample Number : 920866-017
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/20/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 42	42	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 42	42	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 42	42	ug/kg		4/11/02	SW846 8081A
Aldrin	< 21	21	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 21	21	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 210	210	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 21	21	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 21	21	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 42	42	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 21	21	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 42	42	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 42	42	ug/kg		4/11/02	SW846 8081A
Endrin	< 42	42	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 42	42	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 21	21	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 210	210	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 21	21	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 21	21	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 210	210	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 420	420	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-CS-3.6-5.6
Lab Sample Number : 920866-019
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 51	51	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 51	51	ug/kg		4/11/02	SW846 8081A
4,4'-DDT	< 51	51	ug/kg		4/11/02	SW846 8081A
Aldrin	< 25	25	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 25	25	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 250	250	ug/kg		4/11/02	SW846 8081A
beta-BHC	< 25	25	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 25	25	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 51	51	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 25	25	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 51	51	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 51	51	ug/kg		4/11/02	SW846 8081A
Endrin	< 51	51	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 51	51	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 25	25	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 250	250	ug/kg		4/11/02	SW846 8081A
Heptachlor	< 25	25	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 25	25	ug/kg		4/11/02	SW846 8081A
Methoxychlor	< 250	250	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 510	510	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/26/02

Field ID : FW-RM-01-CS-3.6-5.6

Collection Date : 3/21/02

Lab Sample Number : 920866-020

Matrix Type : SOIL

Lab Project Number : 920866

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 71	71	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 71	71	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 71	71	ug/kg		4/12/02	SW846 8081A
Aldrin	< 36	36	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 36	36	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 360	360	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 36	36	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 36	36	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 71	71	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 36	36	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 71	71	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 71	71	ug/kg		4/12/02	SW846 8081A
Endrin	< 71	71	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 71	71	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 36	36	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 360	360	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 36	36	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 36	36	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 360	360	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 710	710	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-21-CS-7.0-9.0
Lab Sample Number : 920866-021
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 39	39	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 39	39	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 39	39	ug/kg		4/12/02	SW846 8081A
Aldrin	< 19	19	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 19	19	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 190	190	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 19	19	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 19	19	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 39	39	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 19	19	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 39	39	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 39	39	ug/kg		4/12/02	SW846 8081A
Endrin	< 39	39	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 39	39	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 19	19	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 190	190	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 19	19	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 19	19	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 190	190	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 390	390	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-01-CS-7.0-9.0
Lab Sample Number : 920866-022
Lab Project Number : 920866

Submitter : FOSTER WHEELER
Report Date : 4/26/02
Collection Date : 3/21/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/28/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 39	39	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 39	39	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 39	39	ug/kg		4/12/02	SW846 8081A
Aldrin	< 20	20	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 20	20	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 200	200	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 20	20	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 20	20	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 39	39	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 20	20	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 39	39	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 39	39	ug/kg		4/12/02	SW846 8081A
Endrin	< 39	39	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 39	39	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 20	20	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 200	200	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 20	20	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 20	20	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 200	200	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 390	390	ug/kg		4/12/02	SW846 8081A